

Rat PRL R Recombinant Protein



RPPB0883

Product Information Protein Information

Product SKU:

RPPB0883

Accession:

P05710

Host:

Escherichia Coli.

Protein description:

Prolactin Receptor Rat Extra Cellular Domain Recombinant produced in E.Coli is a non-glycosylated, Polypeptide chain containing 206 amino acids and having a molecular mass of 24120 Dalton. The Prolactin Receptor is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

PRL-R, Prolactin receptor, Lactogen receptor, Prlr.

Formulation:

The protein was lyophilized from a concentrated (1mg/ml) solution with 0.0045mM NaHCO₃.

Purity:

Greater than 97.0% as determined by:(a) Analysis by SEC-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized PRL-R in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized PRL-R although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Prolactin Receptor should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Amino Acid Sequence:

The sequence of the first five N-terminal amino acids was determined and was found to be Gly-Lys-Pro-Glu-Ile.

Biological Activity:

Activity is determined by the dose-dependant inhibition of Prolactin-stimulated proliferation of Nb2 cells and by high affinity binding of oPLR and other lactogenic hormones.